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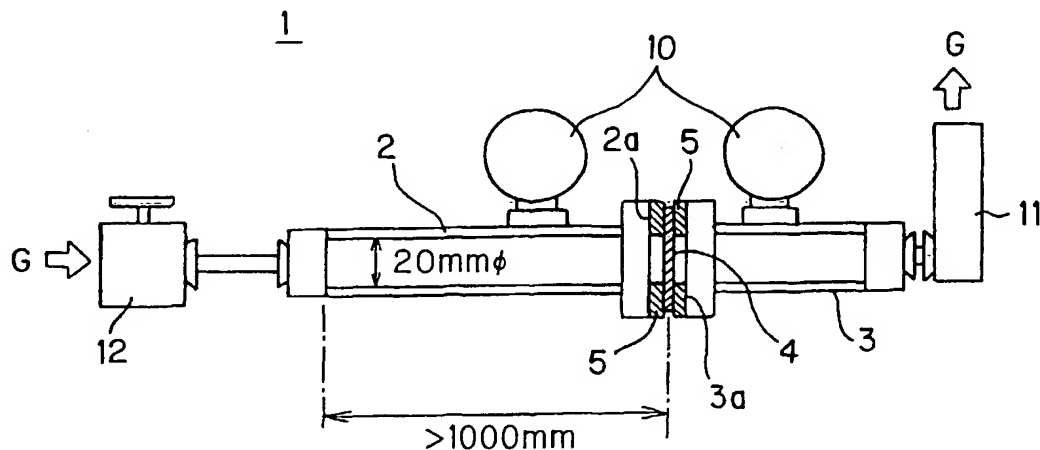
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[続葉有]

(54) Title: METHOD FOR PRODUCING CORDIERITE-BASED POROUS MATERIAL

(54) 発明の名称: コーディエライト質多孔体の製造方法



(57) Abstract: A method for producing a cordierite-based porous material which uses a raw material generating cordierite which contains an Al source, a Si source and a Mg source and forms cordierite by firing, characterized in that use is made of organic micro balloons containing SiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> as a part or the whole of the Al source and the Si source. The method allows the production of a cordierite-based porous material which has a high porosity for open pores and is extremely low in the possibility that it contains a defective portion such as a cut causing the leak of a liquid.

(57) 要約: 本発明のコーディエライト質多孔体の製造方法は、Al源、Si源、及びMg源を含むとともに、焼成することによってコーディエライトを形成するコーディエライト化原料を用いるコーディエライト質多孔体の製造方法であり、Al源、及びSi源の一部又は全部として、SiO<sub>2</sub>とAl<sub>2</sub>O<sub>3</sub>を含有する無機マイクロバルーンを用いることを特徴とし、流体の漏れを生じさせる切れ等の不具合の発生する可能性が極めて低い、高開気孔率のコーディエライト質多孔体を製造することができる。

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(84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

添付公開書類:

— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/03860

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C04B38/00, 35/16, B01D39/20, B01J21/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C04B38/00, 35/16, B01D39/20, B01J21/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003

Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 6-116059 A (Matsushita Electric Works, Ltd.), 26 April, 1994 (26.04.94), Page 2, column 1, line 1 to column 2, line 14; page 3, table 1 (Family: none)	1,5,9-10
A	JP 2001-261463 A (Narita Seitosh Co., Ltd.), 26 September, 2001 (26.09.01), Page 2, column 1, lines 1 to 38; page 3, column 3 line 41 to column 4, line 4; page 5, column 8, lines 8 to 49 (Family: none)	1-11

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search  
20 June, 2003 (20.06.03)Date of mailing of the international search report  
08 July, 2003 (08.07.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/03860

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6254963 B1 (DENSO CORP.), 03 July, 2001 (03.07.01), Column 6, line 60 to column 8, line 7 & JP 2000-1365 A Page 2, column 1, lines 1 to 21	1-11